

WHAT IS CLAIMED IS:

1. A marine vessel or RV, comprising:

a waste holding tank received within said marine vessel or RV, said waste holding tank having an aeration tube disposed within a bottom portion of said tank;

an aeration pump received within said marine vessel or RV, an output of said aeration pump being in fluid communication with said aeration tube, said aeration pump being adapted for continuous operation such that air is continuously communicated to said aeration tube;

a discharge pump for pumping sewage from said waste holding tank;

wherein an inlet to said discharge pump is designed and positioned such that, when said waste holding tank is completely pumped out, a volume of sewage is retained therein so that said aeration tube is continuously submerged in sewage, and wherein said aeration tube continuously provides air to said sewage to create an oxygen-enriched environment in said sewage, thereby assisting in reducing the odors emanating from the sewage within said holding tank.

2. The marine vessel or RV according to claim 1, wherein the waste holding tank further comprises an inlet for sewage, an outlet through which sewage is pumped-out of said holding tank, and a vent, said vent being continuously opened under the influence of air from the aeration pump injected into the tank via the aeration tube.

3. A method for reducing perceived odors emanating from a marine vessel or RV waste holding tank, said holding tank having an inlet through which sewage is introduced into said holding tank, an outlet through which sewage is pumped out of the holding tank, and a vent that permits gas to escape the holding tank, said holding tank receiving an aeration tube at a bottom portion of said tank, the method comprising the steps of:

submerging said aeration tube in sewage substantially continuously;

supplying pressurized air to said aeration tube substantially continuously to thereby inject air into said sewage surrounding said aeration tube and create an oxygen-enriched condition in the sewage; and,

expelling air through said vent to gradually and continuously release air from said holding tank.

4. An odor reducing assembly for use in a marine vessel or RV waste holding tank, comprising:

an aeration tube disposed in a bottom portion of said holding tank;

an aeration pump in fluid communication with said aeration tube and operable to supply pressurized air to said aeration tube during operation of said marine vessel or RV;

wherein said aeration tube is submerged in waste and injects air into said sewage to create an oxygen-enriched environment therein, air from said holding tank being continuously vented to atmosphere during operation of said aeration pump via a vent.

5. A marine vessel or RV, comprising:

a waste holding tank received within said marine vessel or RV;

a pump assembly, said pump assembly including a pump disposed in said waste holding tank and a mounting plate secured to said waste holding tank, said pump having an inlet disposed a distance from a bottom of said waste holding tank;

an aeration tube secured to said pump assembly and disposed within a bottom portion of said tank;

an aeration pump received within said marine vessel or RV, an output of said aeration pump being in fluid communication with said aeration tube, said aeration pump being adapted for continuous operation such that air is continuously communicated to said aeration tube;

wherein said pump inlet is designed and positioned such that, when said waste holding tank is completely pumped out, a volume of sewage is retained in the waste holding tank such that said aeration tube is continuously submerged in sewage, and wherein said aeration tube continuously provides air to said sewage to create an oxygen-enriched environment in said sewage, thereby assisting in reducing the odors emanating from the sewage within said holding tank.

6. The marine vessel or RV according to claim 5, wherein the waste holding tank further comprises an inlet for sewage, an outlet through which sewage is pumped-out of said holding tank by means of said pump, and a vent, said vent being continuously opened under the influence of air from the aeration pump injected into the tank via the aeration tube

7. The marine vessel or RV according to claim 6, wherein a flexible tube extends between said aeration pump and said aeration tube, said flexible tube extending through an opening in said pump assembly mounting flange.